Figure 1: Three-phase process of the evaluation study

**PHASE 1**
Implementation of the osteoporosis tool
- Purposely selected 3 practice sites from the Hamilton Family Health Team
- Included any family physician practising full time, and using the PracticeSolutions® EMR system

**PHASE 2**
Pilot evaluation of the osteoporosis tool – Interrupted time series (ITS) design
- To test the impact of the tool on initiation of bone mineral density testing and treatment, such as bisphosphonates and nutritional supplements
- ITS - multiple assessments of individual family practice sites

**PHASE 3**
Qualitative postintervention study
- To better understand participants’ experiences and perceived utility of the tool
- Readiness to adopt the tool at the point of care
- Satisfaction with the tool’s implementation and use in practice

**Workflow analysis steps**
1. Observation of “typical” clinic days
2. Environmental scan
3. Development of a procedures manual
4. Training of clinician staff

**Data collection**
- Baseline phase (12-month chart review to determine baseline standard practice)
- Intervention phase (12 months)

**Data points**
- 52 data points (26 before and 26 after the introduction of the intervention)

**Data analysis**
- Autoregressive moving average (ARIMA)

**Implementation period:** 3–8 weeks
**Intervention period:** 12 months
**Data collection:** 12–18 months
**Postintervention period:** 6–8 months after PHASE 2